

# DC-LAMP Polyclonal Antibody

Catalog # AP74074

## Product Information

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Application	WB, IHC-P
Primary Accession	<a href="#">Q9UQV4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44346

## Additional Information

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Gene ID	27074
Other Names	Lysosome-associated membrane glycoprotein 3 (LAMP-3) (Lysosomal-associated membrane protein 3) (DC-lysosome-associated membrane glycoprotein) (DC LAMP) (Protein TSC403) (CD antigen CD208)
Dilution	WB~~WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000 IHC-P~~WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	LAMP3
Synonyms	DCLAMP, TSC403
Function	Lysosomal membrane glycoprotein which plays a role in the unfolded protein response (UPR) that contributes to protein degradation and cell survival during proteasomal dysfunction (PubMed: <a href="#">25681212</a> ). Plays a role in the process of fusion of the lysosome with the autophagosome, thereby modulating the autophagic process (PubMed: <a href="#">24434718</a> ). Promotes hepatocellular lipogenesis through activation of the PI3K/Akt pathway (PubMed: <a href="#">29056532</a> ). May also play a role in dendritic cell function and in adaptive immunity (PubMed: <a href="#">9768752</a> ).
Cellular Location	Cell surface. Lysosome membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Early endosome membrane; Single-pass type I membrane protein. Note=During dendritic cell maturation, detected on cytoplasmic vesicles (the MHC II compartment) that contain MHC II proteins, LAMP1, LAMP2 and LAMP3

(PubMed:9768752). Detected on lysosomes in mature dendritic cells  
(PubMed:9768752).

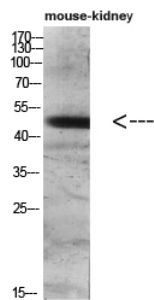
## Tissue Location

Detected in tonsil interdigitating dendritic cells, in spleen, lymph node, Peyer's patches in the small intestine, in thymus medulla and in B-cells (at protein level). Expressed in lymphoid organs and dendritic cells. Expressed in lung. Up-regulated in carcinomas of the esophagus, colon, rectum, ureter, stomach, breast, fallopian tube, thyroid and parotid tissues

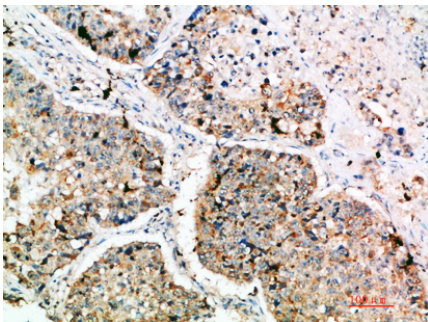
## Background

May play a role in dendritic cell function and in adaptive immunity.

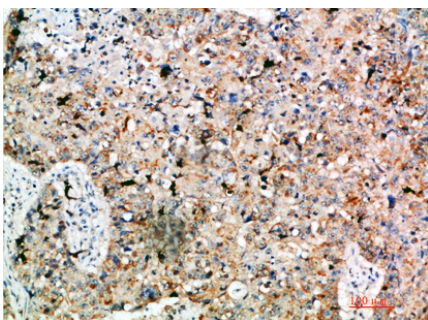
## Images



Western blot analysis of mouse-lung mouse-heart 293T Hela 3T3 lysate, antibody was diluted at 500. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.